

Title (en)

Adapter to receive a male connector part

Title (de)

Adapter zur Aufnahme eines Steckerteiles

Title (fr)

Adapteur pour recevoir une partie mâle d'un connecteur

Publication

**EP 1786071 A3 20070711 (DE)**

Application

**EP 06123126 A 20061030**

Priority

- DE 202005017471 U 20051109
- DE 202006006606 U 20060422
- DE 202006011910 U 20060803

Abstract (en)

[origin: US2007105432A1] An adapter assembly for connecting a multi-contact electrical plug within a cable support arrangement includes an elongated adapter body containing a through passage and having a rectangular first end portion containing a chamber for receiving the electrical plug, and a tubular second end portion threadably connected adjacent its free extremity with a concentrically arranged cable sleeve, an annular sealing device being provided for sealing one end of the annular space defined between the cylindrical outer surface of the adapter body tubular end portion and the inner surface of the adjacent end portion of the concentrically arranged sleeve. A second annular seal is supported within the cable sleeve for sealing the entrance of the cable into the adapter through passage, and a third sealing ring is provided for sealing the space between the outer surface of the adapter body rectangular end portion and a slidably mounted outer sleeve member.

IPC 8 full level

**H01R 31/06** (2006.01); **H01R 13/627** (2006.01); **H01R 24/06** (2006.01)

CPC (source: EP US)

**G02B 6/3879** (2013.01 - EP US); **H01R 13/6273** (2013.01 - EP US); **H01R 31/06** (2013.01 - EP US); **G02B 6/38875** (2021.05 - EP US); **H01R 24/62** (2013.01 - EP US)

Citation (search report)

- [AD] DE 10236275 B3 20040108 - HARTING ELECTRONICS GMBH & CO [DE]
- [A] US 2005064752 A1 20050324 - SERINO DONALD A [US]
- [A] DE 102004004229 A1 20050818 - ZELLNER JOACHIM [DE]
- [A] WO 03012932 A1 20030213 - REICHLE & DE MASSARI FA [CH], et al

Cited by

DE202008014168U1; DE102008051468A1; DE102008051468B4; DE202009015718U1; US8357016B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**US 2007105432 A1 20070510; US 7367832 B2 20080506**; AT E420475 T1 20090115; DE 202006011910 U1 20070322; DE 502006002567 D1 20090226; EP 1786071 A2 20070516; EP 1786071 A3 20070711; EP 1786071 B1 20090107; EP 2104190 A2 20090923; EP 2104190 A3 20100203; EP 2104190 B1 20131204; ES 2320925 T3 20090529; ES 2449238 T3 20140318; JP 2007134332 A 20070531; JP 4843458 B2 20111221; PL 1786071 T3 20090731; RU 2006138977 A 20080520; RU 2408117 C2 20101227; TW 200737614 A 20071001; TW I407645 B 20130901

DOCDB simple family (application)

**US 59341706 A 20061106**; AT 06123126 T 20061030; DE 202006011910 U 20060803; DE 502006002567 T 20061030; EP 06123126 A 20061030; EP 08170586 A 20061030; ES 06123126 T 20061030; ES 08170586 T 20061030; JP 2006304436 A 20061109; PL 06123126 T 20061030; RU 2006138977 A 20061107; TW 95139128 A 20061024